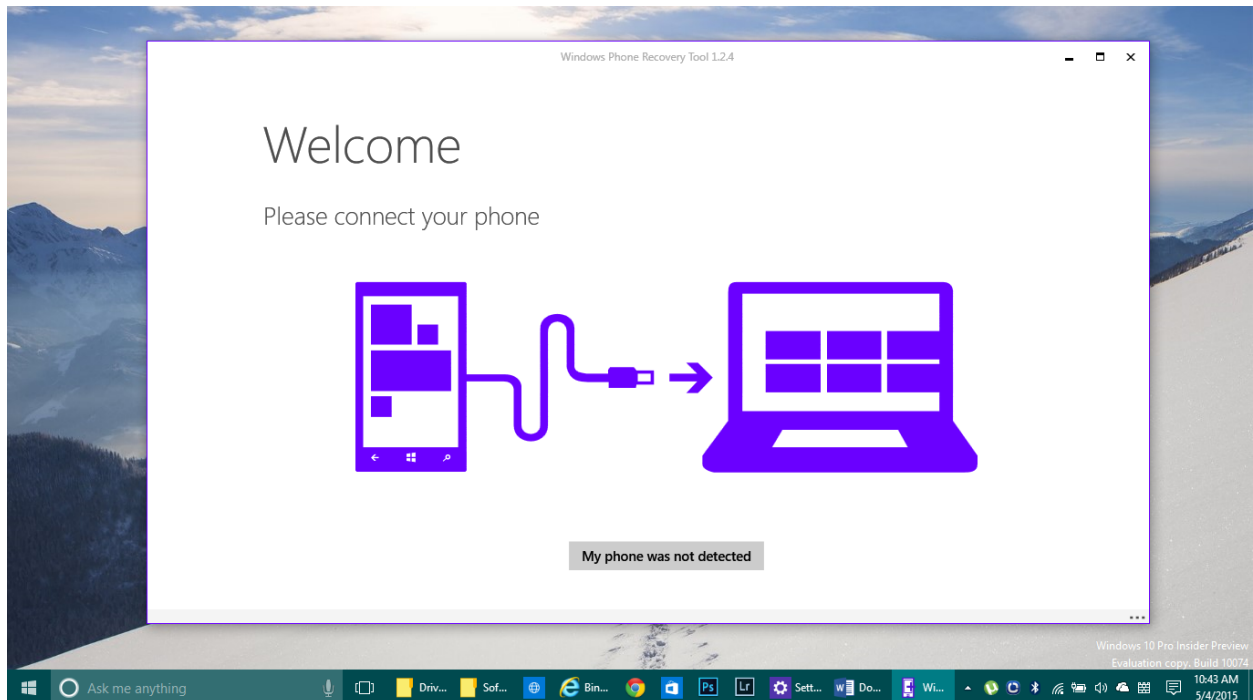
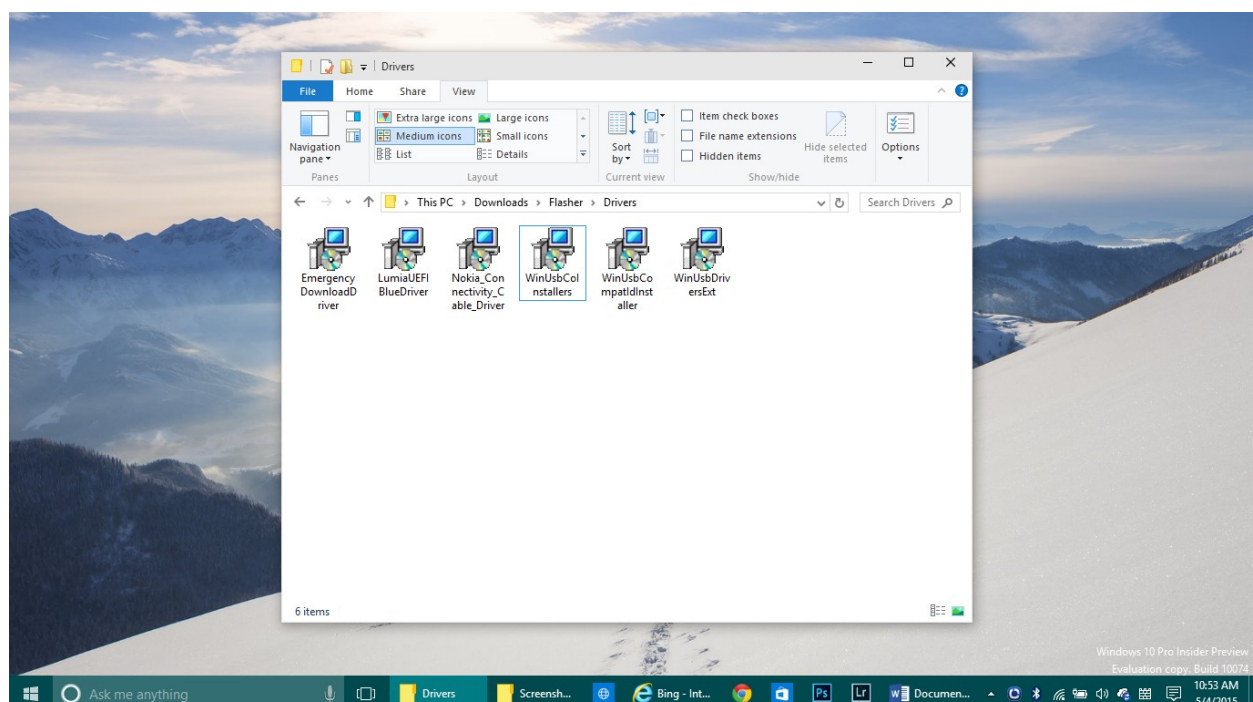


# How to Unbrick a Lumia 520 in Black Screen Mode

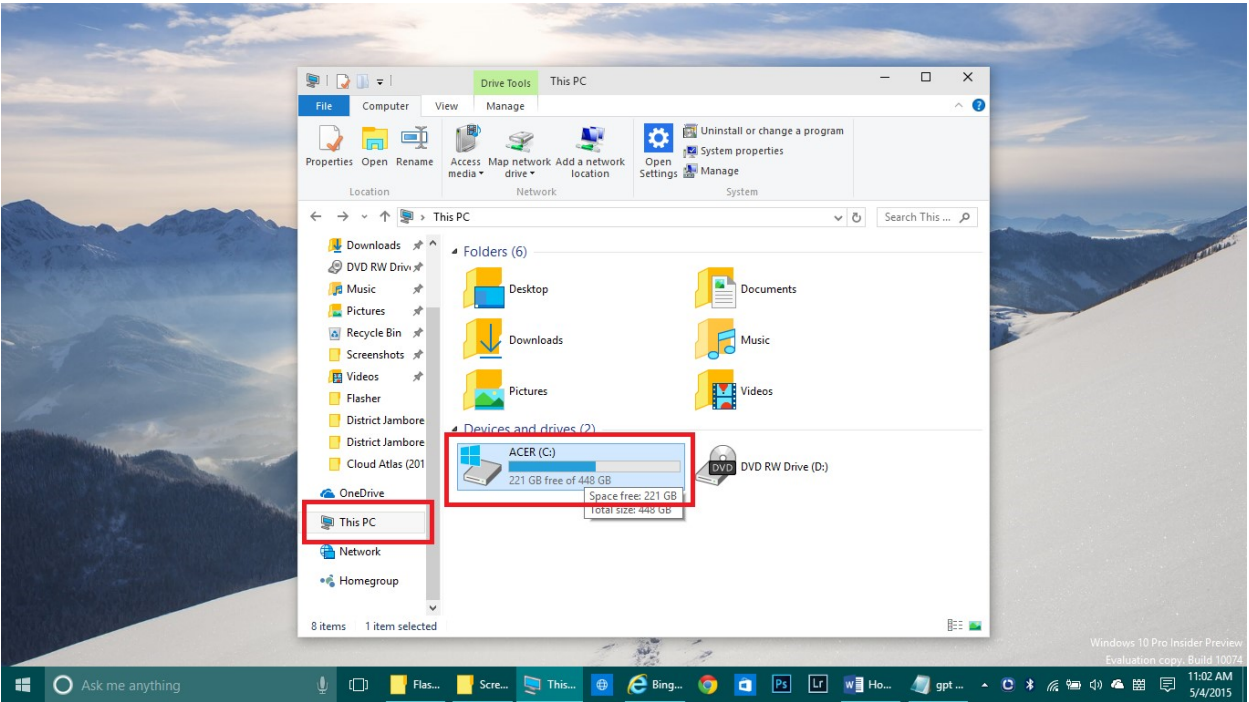
1. Download and Install [Windows Phone Recovery Tool](#).  
(No need if you have already installed it.)



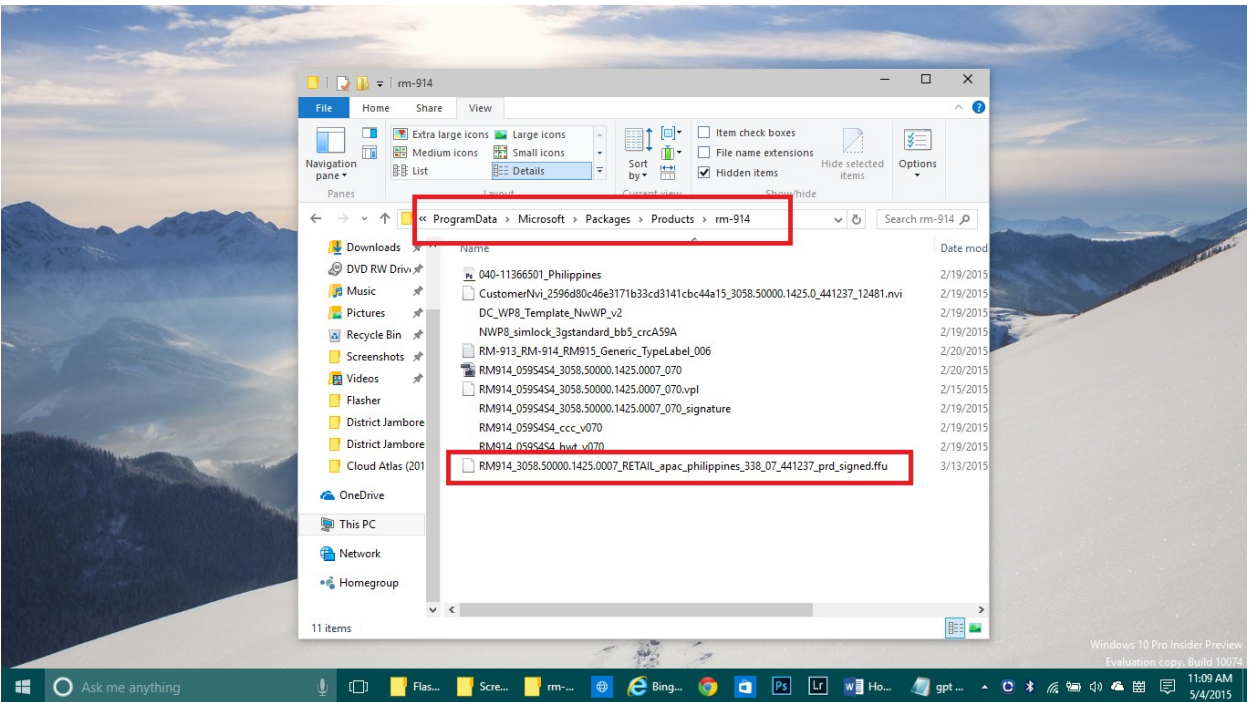
2. Install the following drivers just to be sure. Some of them might have already been installed with WPRT. Just cancel the installation if it's already there. Download [here](#).



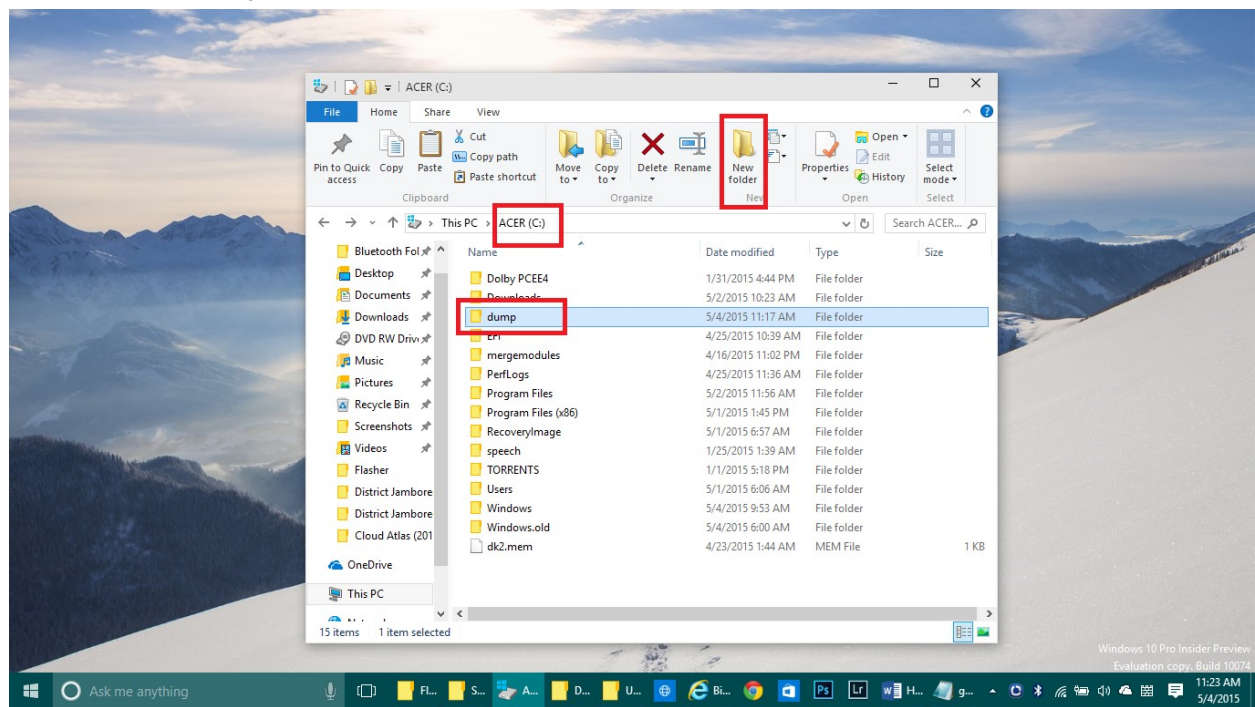
3. If you've downgraded your Lumia using WPRT before it got bricked, the ffu file is already there. This is the phone installer that you need. To locate it, hit Windows Key + E then, click This PC on the navigation pane and go to C drive [mine is ACER (C:)].



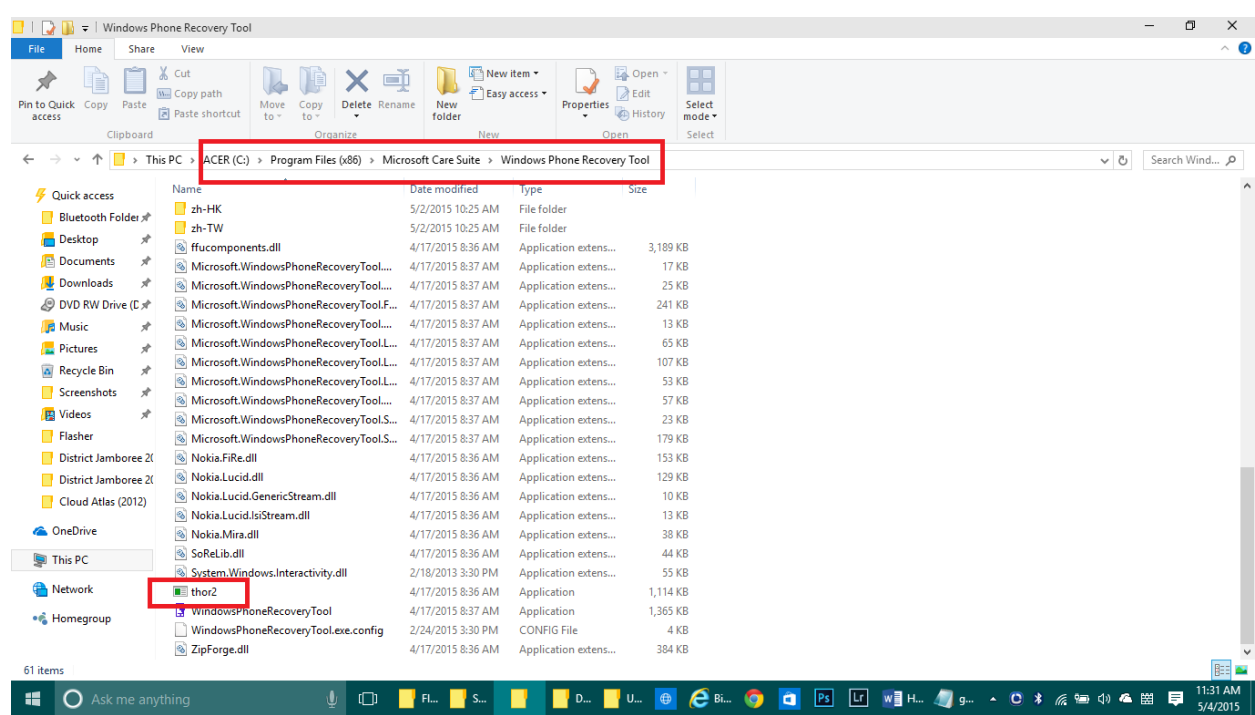
4. Click View Tab then tick Hidden Items and go to ProgramData\Microsoft\Packages\Products\rm-914 and you will see the ffu file that's more than 1 GB in file size.



5. Now, let's create a new folder in C drive and let's name it dump.

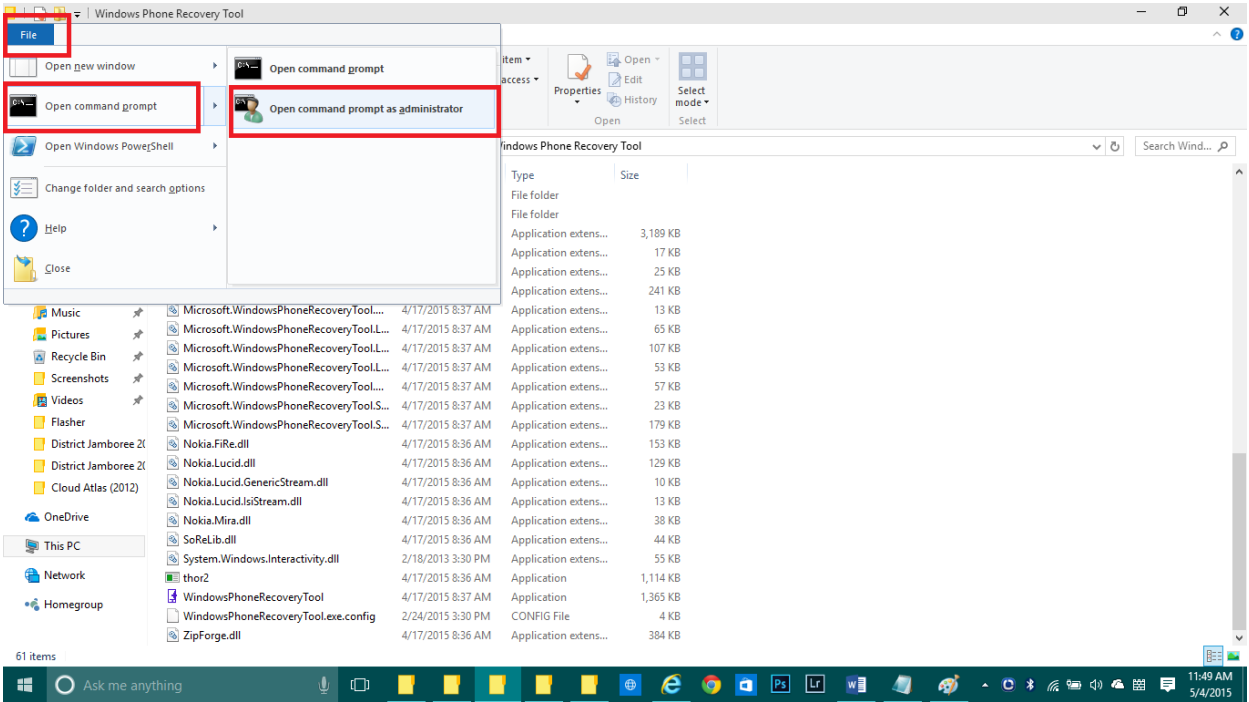


6. Download the hex file [here](#) and place it in the dump folder. Next, we are going to locate the folder where WPRT is installed. Go to C:\Program Files (x86)\Microsoft Care Suite\Windows Phone Recovery Tool. Scroll down to check for thor2 as this will be needed to create 2 gpt files.



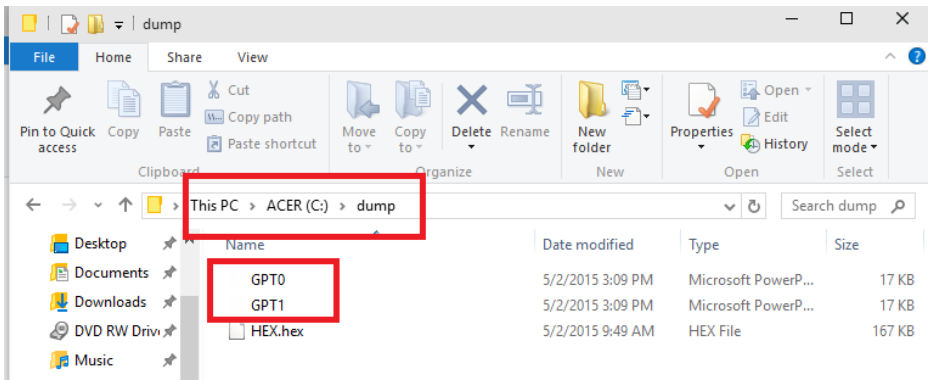


7. In that same folder click the File tab, then open Command Prompt as an administrator.

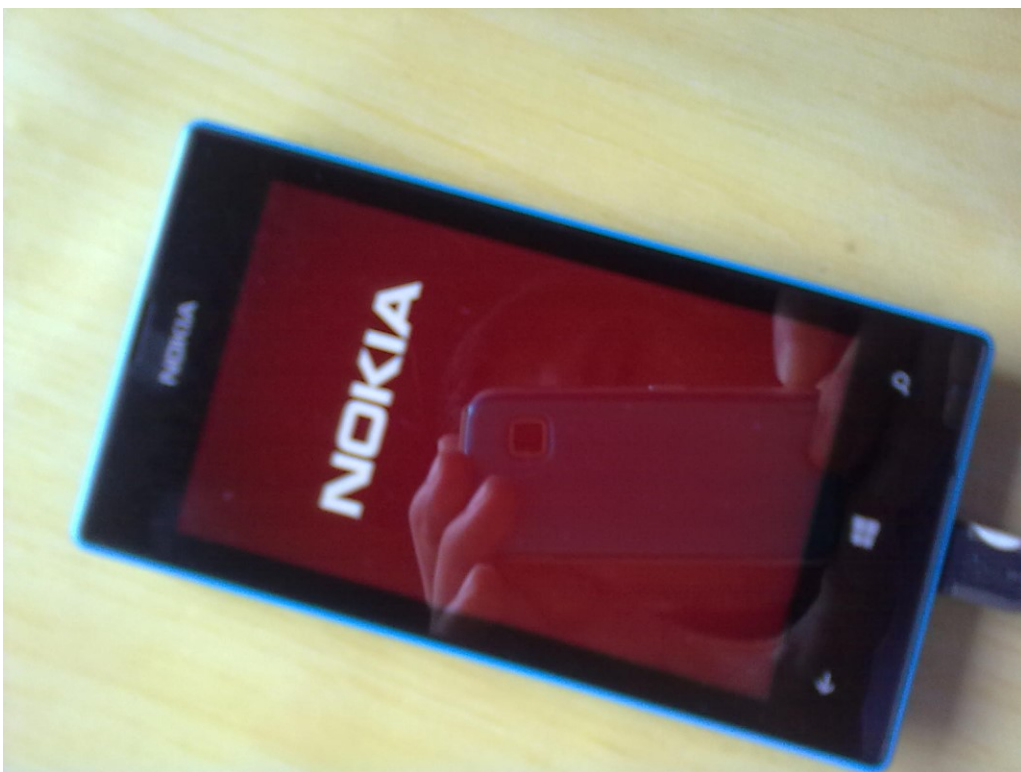


8. Enter the following command line: `thor2 -mode ffureader -ffufile "C:\ProgramData\Microsoft\Packages\Products\rm-914\RM914_3058.50000.1425.0007_RETAIL_apac_philippines_338_07_441237_prd_signed.ffu" -dump_gpt -filedir C:\dump\` (don't hit Enter yet)

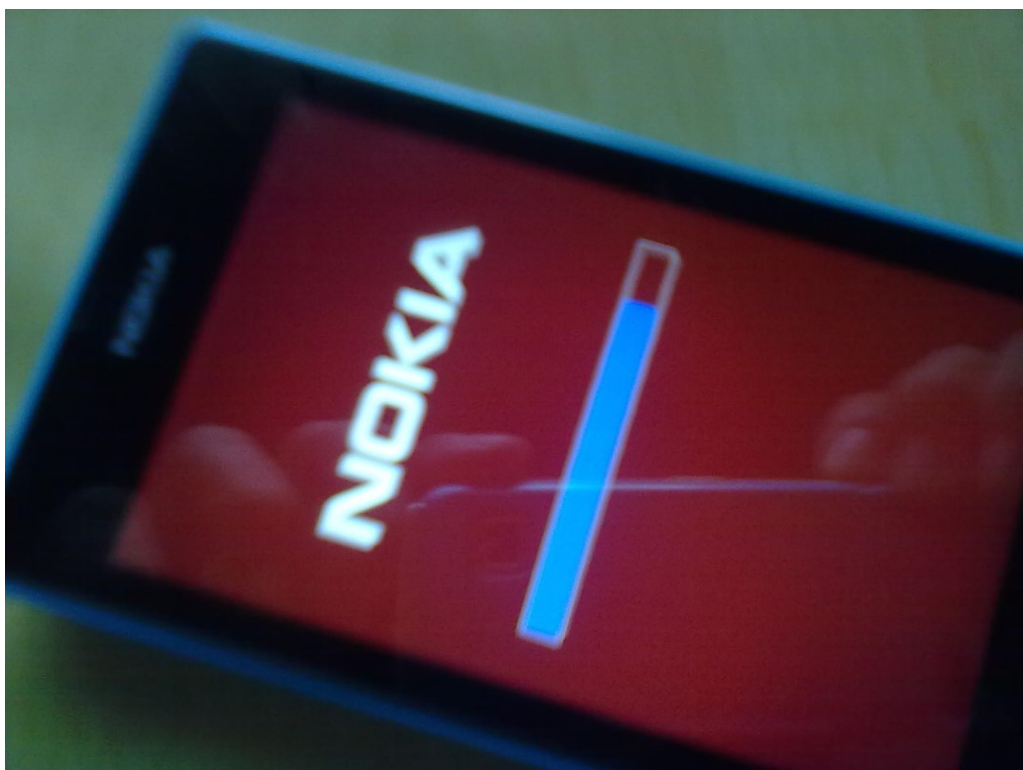
9. Change the string name in italics using your own ffu filename in Step 4. Right-click on the ffu file, click Rename, hit Ctrl + A, Ctrl + C, then paste it after `rm-914\` in the Command Prompt. Hit Enter and it will generate two gpt files in the dump folder.



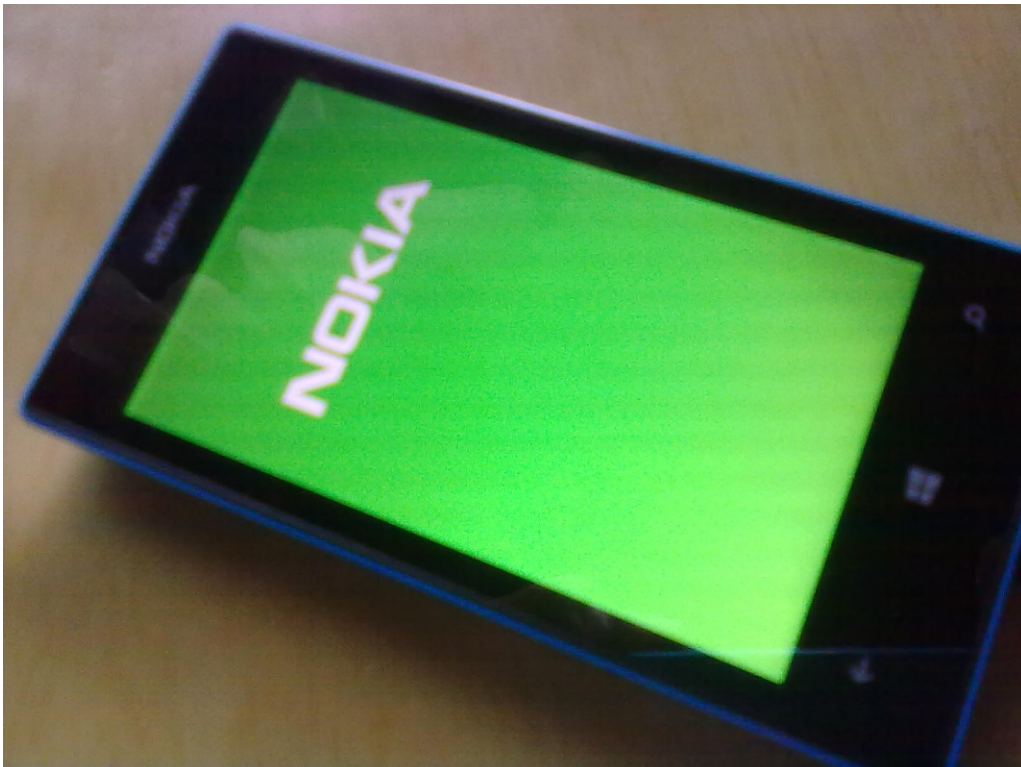
10. Connect your phone to your computer using the included micro USB. In the system tray, it should be detected as QHSUSB\_DLOAD.
11. Let's flash the bootloader using the following command line: `thor2 -mode emergency -hexfile C:\dump\HEX.hex -mbnfile C:\dump\GPT0.bin -orig_gpt`
12. Wait for the process to finish (this will show up in the command prompt: `C:\Program Files (x86)\Microsoft Care Suite\Windows Phone Recovery Tool>` once it's finished) Do not close Command Prompt window.
13. On your phone, hold Volume Down + Power and your phone should vibrate. It will boot in Red Screen. Don't worry. That's okay because right now you have a live phone!



14. The Black Screen thing can drain your phone's battery in a day and it will not charge in that mode. Charge your phone for at least 1 hour because it requires a lot of battery juice when flashing the phone. Or if you have a spare Nokia 5230, you can charge the battery there since they both have the same battery type. (It's okay to remove the battery in your Lumia phone in Red Screen.)
15. After charging, return the battery and connect the phone's USB to your computer. Go back to Command Prompt and enter the following: `thor2 -mode uefiflash -ffufile "C:\ProgramData\Microsoft\Packages\Products\rm-914\RM914_3058.50000.1425.0007_RETAIL_apac_philippines_338_07_441237_prd_signed.ffu"` replacing the italicized text with your own ffu filename. The phone will begin flashing, wait until it successfully reaches 100%. If it fails, just remove the battery and repeat step 15.



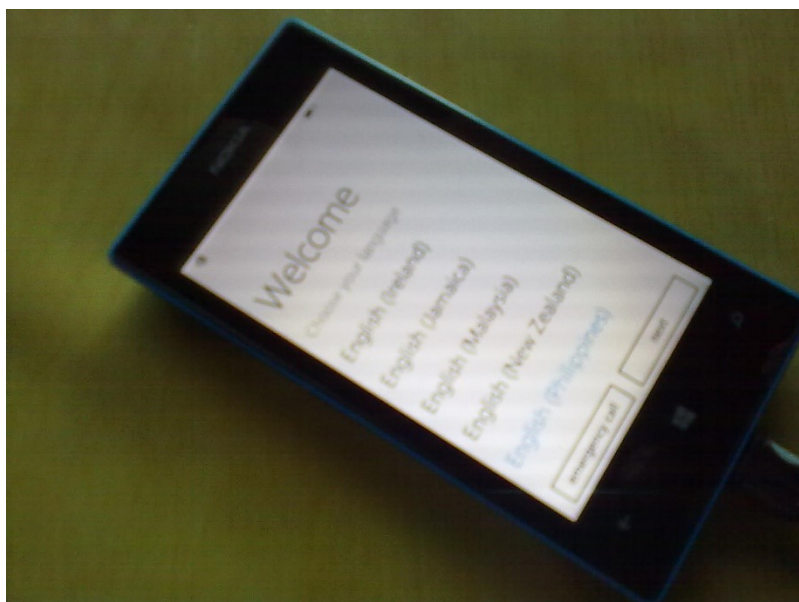
16. Your phone will restart and should now boot in Green Screen.



17. Lastly, enter the command line: `thor2 -mode rnd – bootnormalmode`. If you get it right, you will get these last two lines in CMD:

Device is already in the normal mode. (NCSd running)

Exited with success



By: Joemar Serrato